## WHAT IS CLAIMED IS:

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1.	l.	A	gauge	system	comprising:

- 2 an electronic instrument including at least one programmable feature and at least one 3 access module restricting access to the at least one programmable feature; and
- an instrument-pass operable with the access module, wherein the access module is responsive to the instrument-pass to allow and to restrict access to the at least one programmable feature.
- The system of Claim 1, wherein the access module and the instrument-pass comprises a
   radio frequency identification device system.
- The system of Claim 1, wherein the access module comprises a radio frequency
   transponder.
- 4. The system of Claim 1, wherein the access module comprises an infrared detector and the instrument-pass is an infrared transmitter.
- 5. The system of Claim 1, wherein the access module comprises a reader selected from the group consisting of a bar code reader and a magnetic strip reader.
- 6. The system of Claim 1, wherein the access module includes a physical device connection, and wherein the instrument-pass includes an encapsulated electronic component to activate the access module.
  - 7. The system of Claim 6, wherein the encapsulated electronic component is a resistor.
- 1 8. The system of Claim 1, further comprising:
- a first transceiver coupled to the electronic gauge;
- a workstation; and

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- a second transceiver coupled to the workstation, wherein the first transceiver is

  operable to transmit to the second transceiver the access to the at least one programmable

  feature.
- 9. The system of Claim 8, wherein the first and second transceivers communicate using digital communication technology.
- 1 10. The system of Claim 9, wherein the digital communication technology is packet-based communication.
- 1 11. The system of Claim 10, wherein the digital communication technology is asynchronous transfer mode.

- 1 12. The system of Claim 8, wherein the first and second transceivers communicate using analog communication technology.
- 1 13. The system of Claim 8, wherein the first and second transceivers communicate using radio frequency transponders.
- 1 14. The system of Claim 8, wherein the first and second transceivers communicate via a wireline link.
- 1 15. The system of Claim 8, wherein the first and second transceivers communicate via an optical link.
- 1 16. The system of Claim 8, wherein the workstation is operable to receive information from 2 the electronic gauge via the first and second transceivers.
- 1 17. The system of Claim 8, wherein the workstation is operable to transmit information to the electronic gauge via the first and second transceivers.
- 18. The system of Claim 8, further comprising a network, wherein the workstation is coupled to the network, the workstation operable to transmit and receive information via the network.
- 1 19. The system of Claim 18, wherein the network comprises a local area network.
- 1 20. The system of Claim 18, wherein the network comprises a wide area network.
- 1 21. The system of Claim 18, wherein the network comprises a portion of the Internet.
- 1 22. The system of Claim 18, wherein the network comprises an optical network.
- 23. The system of Claim 18, further comprising a server, wherein the server is operable to transmit and receive information from the workstation.
- 24. The system of Claim 8, further comprising a workstation access module operable with the instrument-pass key, wherein the workstation access module provides access to the programmable features of the electronic gauge.

- 1 25. A method of providing security for a gauge comprising:
- detecting the presence of an instrument-pass; and
- if the instrument-pass satisfies predetermined access criteria, allowing access to at least one programmable feature of the gauge.
- 26. The method of Claim 25, further comprising the step of entering a code to allow access to the at least one programmable feature of the gauge.
- 27. The method of Claim 26, wherein the step of entering the code is performed before the instrument-pass can be detected.
- 28. The method of Claim 26, wherein the step of detecting the instrument-pass is performed before the step of entering the code.
- 1 29. The method of Claim 25, wherein the instrument-pass is detected at the gauge.
- 30. The method of Claim 25, further comprising transmitting the presence of the instrumentpass to a remote transceiver.
- 1 31. The method of Claim 30, further comprising detecting the transmitted presence of the instrument-pass by a workstation coupled to the remote transceiver.
- 32. The method of Claim 31, further comprising allowing access to the at least one programmable feature of the gauge from the workstation.
- 1 33. The method of Claim 25, wherein the instrument-pass is detected at a workstation remote 2 from the gauge.
- 34. The method of Claim 33, wherein detecting the instrument-pass allows access to the at least one programmable feature of the gauge from the workstation.

1	35. A method of providing security for a gauge comprising:
2	reading information from an instrument-pass;
3	determining if the read information satisfies predetermined access criteria; and
4	selectively allowing and denying access to at least one programmable feature of the
5	gauge based on the determination of whether the read information satisfies predetermined
6	access criteria.
1	36. The method of Claim 35, further comprising:
2	determining if the read information requires additional input;
3	prompting for the additional input; and
4	reading the additional input, wherein reading the additional input selectively allows
5	and denies access to the at least one programmable feature of the gauge based on the
6	determination that the additional input satisfies predetermined access criteria.
1	37. The method of Claim 36, wherein the additional input is a personal identification number.
1	38. The method of Claim 35, wherein reading information from an instrument-pass
2	comprises accessing programmed material stored in the instrument-pass, the programmed
3	material corresponding to a predetermined access level.
1	39. The method of Claim 38, wherein the determination of whether the read information
2	satisfies the predetermined access criteria comprises comparing the access level of the
3	programmed material with the predetermined access criteria.

1	40. A gauge system comprising:
2	an electronic diagnostic gauge including access module for restricting access to the
3	electronic gauge;
4	a first instrument-pass, wherein the access module is responsive to the first
5	instrument-pass to allow a first level of access to the electronic gauge; and
6	a second instrument-pass, wherein the access module is responsive to the second
7	instrument-pass to allow a second level of access to the electronic gauge.

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- 41. A gauge system comprising: 1
- an instrument-pass including access information; and 2
- an electronic instrument including an access module responsive to the instrument-3
- pass to allow or deny access to at least one programmable feature of the gauge based on the access information.
- 42. The system of Claim 41, wherein the access information comprises a predetermined radio 1 frequency. 2
- 43. The system of Claim 41, wherein the access module comprises a reader. 1
- 44. The system of Claim 41, wherein the access module comprises a detector. 1

ı	43. A gauge management system comprising.
2	an instrument-pass;
3	an entry module operable to control access to an instrument;
4	an input/output device; and
5	a function module operable to manipulate programmable features of the instrument,
6	wherein the entry module allows access to the gauge upon receiving a predefined access
7	criteria from the instrument-pass, and wherein the function module manipulates the
8	programmable features of the instrument based on input from the input/output device.
1	46. The system of Claim 45, further comprising a storage module operable to store access
2	information in a database.
1	47. The system of Claim 46, wherein the storage module is further operable to retrieve
2	information from the database.
1	48. The system of Claim 45, wherein the entry module and function module are programmed
2	into the gauge.
1	49. The system of Claim 45, further comprising a workstation, wherein the entry module and
2	function module are programmed into the workstation, the workstation coupled to the
3	gauge and adaptable to receive the predefined access criteria from the instrument-pass.
1	50. The system of Claim 49, further comprising:
2	a first transceiver coupled to the gauge; and
3	a second transceiver coupled to the workstation, wherein the first and second
4	transceivers are operable to communicate the access criteria and the input of the
5	input/output device between the gauge and the workstation.